U.S. IMPORTS OF MAN-MADE FIBERS

ITEM	COMMODITY NUMBER AS OF 1/1/78	THOUSAND POUNDS					THOUSAND DOLLARS				
		1978	1979	1980	1981	6 MOS 1982	1978	1979	1980	1981	6 MOS 1982
CELLULOSIC											
YARN - SINGLES											
TEXTURED	310.0106 & .0206	1747	2695	912	309	101	2105	3903	1668	505	150
OTHER	310.0130 & .0230[a]	23925	10495	7380	10373	3975	25268	13111	12222	15748	6515
MONOFILAMENTS	309.0310 & .0610	3	-	0	4	2	10	1	0	32	7
STRIPS, $1/LB & UNDER	309.2000*	54	81	10	33	2	28	52	16	28	2
SUBTOTAL ABOVE		**25729**	**13271**	**8302**	**10719**	**4080**	**27411**	**17067**	**13906**	**16313**	**6674**
STAPLE	309.4320 & .4325	37840	13949	7998	14626	5854	17382	8042	5653	10348	4096
GROUPED FILAMENTS	309.3010 & .3110	3285	2580	2308	2137	718	1793	3677	5023	2211	1087
SUBTOTAL ABOVE		**41125**	**16529**	**10306**	**16763**	**6572**	**19175**	**11719**	**10676**	**12559**	**5183**
WASTE, ADVANCED & NOT ADVANCED	309.6615 & .7510	391	803	339	519	261	118	314	146	291	86
NONCELLULOSIC FIBERS											
YARN - SINGLES											
TEXTURED - NYLON	310.0109 & .0209	4625	953	3154	3827	1789	5167	1128	4089	7103	3319
- POLYESTER	310.0110 & .0210	6068	1083	337	768	318	6405	1589	780	939	203
- OTHER	310.0114 & .0214	657	153	195	492	1086	787	360	373	895	1637
OTHER - NYLON	310.0149 & .0249	24993	6105	3572	3976	1199	24736	8310	5687	6147	1955
- POLYESTER	310.0150 & .0250	12740	7579	6672	5441	2750	13895	10230	9906	7082	3938
- OTHER	310.0170 & .0270[b]	1252	1346	1417	1595	1003	2150	2545	3149	3151	2823
MONOFILAMENTS	309.0200 & .0330[c]	1554	2365	4038	2615	865	4415	6967	10243	6515	2907
STRIPS, OVER $1/LB	309.2100 & .2500*	319	420	229	220	137	2861	3267	2427	1547	1129
SUBTOTAL ABOVE		**52208**	**20004**	**19614**	**18934**	**9147**	**60416**	**34396**	**36654**	**33379**	**17911**
STAPLE - NYLON	309.4338	6306	2364	1698	23576	1677	4794	2455	2365	25067	1847
POLYESTER	309.4342	7695	3087	1344	6649	3575	4082	2020	1184	4289	2349
ACRYLIC	309.4345	18185	13047	13296	10465	3262	10874	9925	11509	10179	3321
OLEFIN	309.4346	46	57	144	1134	122	44	54	146	638	118
OTHER	309.4355	21241	15766	14574	10666	5581	12111	8998	9779	7798	3479
GROUPED FILAMENTS											
NYLON	309.3030 & .3130	1025	719	1022	2175	3050	1213	924	1364	2625	4824
POLYESTER	309.3040 & .3140	529	44	129	336	18	600	36	137	541	93
ACRYLIC	309.3050 & .3150	3607	2910	2608	3434	2478	3515	3694	4331	7181	4980
OTHER	309.3065 & .3165	1852	1325	753	2082	496	1606	1348	1126	2965	730
SUBTOTAL ABOVE		**60486**	**39319**	**35568**	**60517**	**20259**	**38839**	**29454**	**31941**	**61283**	**21741**
WASTE, NOT ADVANCED - NYLON	309.6625	14623	12843	11658	25255	12548	2778	2811	2899	8358	4605
POLYESTER	309.6630	5344	3333	5936	18111	5444	519	470	1004	3640	1049
ACRYLIC	309.6645	3328	2395	2358	2872	741	863	587	726	999	241
OTHER	309.6660	1497	1568	965	2969	1819	357	461	305	844	508
NOILS & GARNETTED FIBERS	309.6000 & .7000*	14	3	4	85	20	4	0	3	54	8
OTHER WASTE, ADVANCED	309.7525 - .7555	1170	984	625	536	119	339	313	360	366	91
SUBTOTAL ABOVE		**25976**	**21126**	**21546**	**49828**	**20691**	**4860**	**4648**	**5297**	**14261**	**6502**
TOTAL MAN-MADE FIBER ABOVE		**205915**	**111052**	**95675**	**157280**	**61010**	**150819**	**97598**	**98620**	**138086**	**58097**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD											
YARN - PLIED											
TEXTURED - CELLULOSIC	310.1106	26	2	0	25	1	78	16	0	41	4
NONCELLULOSIC	310.1015[d] & .1109[e]	3454	2196	1378	3385	1889	4323	2955	2141	5774	3110
OTHER - CELLULOSIC	310.1030 & .1135[f]	300	25	97	21	117	349	56	334	108	174
- NONCELLULOSIC	310.1050 & .1070[g]	366	300	389	373	435	934	949	1347	763	671
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	937	585	508	659	105	1565	1126	1225	1522	243
- OTHER	310.4015 & .4027[i]	40669	20300	19387	18599	10209	52789	30821	33114	32603	19056
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - 8000	2127	3748	2320	4117	1473	4951	11607	8196	12852	5139
HANDWORK YARNS & SEWING THREAD	310.9000 - 9140	2464	2561	2260	2797	1209	7493	8347	7793	10681	4742
SLIVER, TOPS & ROVING	309.9000	7322	6453	2708	3622	1271	3758	3584	2034	2801	1408
TEXTILE GLASS FIBER	309.2800 & .2900[j]	21844	10353	7350	18212	6967	10413	6124	6453	12914	4671
GRAND TOTAL ABOVE		**285424**	**157575**	**132072**	**209090**	**84686**	**237472**	**163183**	**161257**	**218145**	**97315**

SOURCE: U.S.Census Bureau.

NES - Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Chiefly roving. Also includes 309.9800 & .9900.

SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM & COUNTRY	1982 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	8 MONTHS 1982	1981
CELLULOSIC YARN, MONOFIL & STRIPS														
CANADA	0	15	0	0	0	141	198	0					354	484
MEXICO	155	76	157	75	115	92	116	39					825	1128
AUSTRIA	0	20	0	451	2.5	85	41	410					1232	0
GERMANY, FED. REP. OF	502	275	218	250	81	157	54	75					1612	2577
NETHERLANDS	86	77	17	59	53	30	22	28					372	2613
SPAIN	40	81	46	47	47	0	0	0					261	223
JAPAN	20	42	36	1	36	2	21	70					228	161
ALL OTHER COUNTRIES[a]	58	2	28	133	22	27	17	46					333	601
TOTAL CELL. YARN	**861**	**588**	**502**	**1016**	**579**	**534**	**469**	**668**					**5217**	**7787**
CELLULOSIC STAPLE+TOW														
CANADA	155	167	191	129	170	90	54	401					1357	3517
AUSTRIA	605	40	441	401	462	0	410	40					2399	3162
FRANCE	1	52	2	0	0	6	21	0					82	228
GERMANY, FED. REP. OF	42	44	43	0	0	65	0	0					194	128
SWEDEN	464	0	871	189	554	0	765	786					3629	1689
UNITED KINGDOM	117	2	108	69	119	0	76	74					565	1328
AUSTRALIA	153	0	0	0	0	0	0	0					153	0
JAPAN	149	24	134	118	76	127	227	155					1010	768
ALL OTHER COUNTRIES[b]	0	80	1	44	29	38	44	0					236	286
TOTAL CELL. STAPLE	**1686**	**409**	**1791**	**950**	**1410**	**326**	**1597**	**1456**					**9625**	**11106**
NONCELLULOSIC YARN, MONOFIL & STRIPS														
CANADA	295	156	101	444	456	595	365	508					2920	2078
COSTA RICA	117	27	0	0	27	0	7	1					179	0
MEXICO	0	1	2	1	10	41	66	10					131	216
BELGIUM	0	2	9	11	0	46	66	499					633	0
FRANCE	128	114	79	106	49	17	243	195					931	1272
GERMANY, FED. REP. OF	581	362	295	372	569	454	370	712					3715	3021
ITALY	24	2	175	1	10	18	16	71					317	759
UNITED KINGDOM	67	48	38	43	5	54	14	44					313	236
JAPAN	453	661	463	450	438	535	554	461					4015	4883
ALL OTHER COUNTRIES[c]	18	5	18	14	98	42	49	59					303	723
TOTAL N.C. YARN	**1683**	**1378**	**1180**	**1442**	**1662**	**1802**	**1750**	**2560**					**13457**	**13188**
NONCELLULOSIC STAPLE+TOW														
CANADA	439	310	864	219	476	365	276	816					3765	4696
MEXICO	177	27	57	79	..	75	343	0					758	2260
BELGIUM	29	31	1	12	0	0	32	0					105	395
FRANCE	219	194	444	308	301	247	324	1790					3827	3030
GERMANY, FED. REP. OF	730	752	975	725	861	341	420	527					5331	14190
IRELAND	0	39	39	77	39	116	77	77					464	0
ITALY	58	23	153	115	63	76	1236	639					2363	4815
NETHERLANDS	141	89	58	43	19	0	0	0					350	326
ROMANIA	50	106	29	219	5	29	0	0					438	267
UNITED KINGDOM	195	250	259	238	412	181	25	76					1636	3611
JAPAN	588	461	510	401	520	612	885	575					4552	3566
TAIWAN	616	194	436	583	760	2041	748	1220					6598	5031
ALL OTHER COUNTRIES[d]	16	5	1	17	28	91	98	38					294	448
TOTAL N.C. STAPLE	**3258**	**2481**	**3826**	**3036**	**3484**	**4174**	**4464**	**5758**					**30481**	**42635**

Other countries supplying 1982 poundages are:

a. Belgium 92, Brazil 82, France 67, Italy 8, Rep. of Korea 80 & Switzerland 4.

b. Finland 80, German Dem. Rep. 88, Mexico 39 & Netherlands 29.

c. Austria 11, Dominican Republic 4, India 11, Ireland 1, Israel 1, Rep. of Korea 17, Netherlands 33, Norfolk Is. 36, Poland 15, Portugal 21, Romania 1, Sweden 49, Switzerland 82 & Taiwan 21.

d. Australia 29, Austria 13, Denmark 53, German Dem. Rep. 15, Hong Kong 1, Iceland 5, Israel 60, Rep. of Korea 31, Poland 15, Portugal 1 & Switzerland 71.

U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1982 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	8 MONTHS 1982	1981
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & .0206	5	0	28	35	6	27	0	0					101	266
OTHER	310.0130 & .0230[a]	856	586	474	981	573	505	465	668					5108	7498
MONOFILAMENTS	309.0310 & .0610	0	2	0	0	--	--	0	0					2	3
STRIPS, $1/LB & UNDER	309.2000 *	0	0	0	0	0	2	4	0					6	20
SUBTOTAL ABOVE		**861**	**588**	**502**	**1016**	**579**	**534**	**469**	**668**					**5217**	**7787**
STAPLE	309.4320 & .4325	1510	409	1623	853	1219	240	1447	1287					8588	9507
GROUPED FILAMENTS	309.3010 & .3110	176	--	168	97	191	86	150	169					1037	1599
SUBTOTAL ABOVE		**1686**	**409**	**1791**	**950**	**1410**	**326**	**1597**	**1456**					**9625**	**11106**
WASTE, ADVANCED & NOT ADVANCED	309.6615 & .7510	0	0	64	0	197	0	38	0					299	267
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON	310.0109 & .0209	423	174	125	210	516	341	454	272					2515	2727
POLYESTER	310.0110 & .0210	231	43	7	3	33	1	55	6					379	523
OTHER	310.0114 & .0214	32	26	69	361	268	330	289	455					1830	276
OTHER - NYLON	310.0149 & .0249	111	211	278	99	191	309	453	1068					2720	2972
POLYESTER	310.0150 & .0250	551	691	368	441	403	296	199	427					3376	3421
OTHER	310.0170 & .0270[b]	164	81	140	162	147	309	122	226					1351	1137
MONOFILAMENTS	309.0200 & .0330[c]	140	139	157	145	89	195	128	88					1081	2014
STRIPS, OVER $1/LB	309.2100 & .2500 *	31	13	36	21	15	21	50	18					205	118
SUBTOTAL ABOVE		**1683**	**1378**	**1180**	**1442**	**1662**	**1802**	**1750**	**2560**					**13457**	**13188**
STAPLE - NYLON		392	209	400	316	84	276	1432	2030					5139	18764
POLYESTER	309.4342	487	517	933	577	494	567	926	339					4840	3324
ACRYLIC	309.4345	526	474	962	607	369	324	575	347					4184	7772
OLEFIN	309.4346	1	30	1	33	30	27	7	32					161	939
OTHER	309.4355	899	292	581	653	1011	2145	725	1891					8197	6965
GROUPED FILAMENTS															
NYLON	309.3030 & .3130	460	530	345	565	884	266	362	784					4196	1197
POLYESTER	309.3040 & .3140	0	0	17	1	--	--	0	8					26	224
ACRYLIC	309.3050 & .3150	297	376	553	246	468	538	340	262					3080	2040
OTHER	309.3065 & .3165	196	53	34	38	144	31	97	65					658	1410
SUBTOTAL ABOVE		**3258**	**2481**	**3826**	**3036**	**3484**	**4174**	**4464**	**5758**					**30481**	**42635**
WASTE, NOT ADVANCED - NYLON	309.6625	1882	1647	1838	2315	2285	2581	1175	2033					15756	16044
POLYESTER	309.6630	1398	775	1580	608	581	502	302	1748					7494	11074
ACRYLIC	309.6645	0	184	9	59	294	195	86	0					827	2232
OTHER	309.6660	433	229	247	256	480	174	290	17					2126	1820
NOILS & GARNETTED FIBERS	309.6000 & .7000 *	0	20	0	0	0	0	1	0					21	57
OTHER WASTE, ADVANCED	309.7525 - .7555	50	17	26	9	16	1	49	70					238	309
SUBTOTAL ABOVE		**3763**	**2872**	**3700**	**3247**	**3656**	**3453**	**1903**	**3868**					**26462**	**31536**
TOTAL MAN-MADE ABOVE		**11251**	**7728**	**11063**	**9691**	**10988**	**10289**	**10221**	**14310**					**85541**	**106519**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1106	0	0	--	0	1	0	1	0					2	24
NONCELLULOSIC	310.1015[d] & .1109[e]	407	110	333	266	421	352	271	548					2708	2304
OTHER - CELLULOSIC	310.1030 & .1135[f]	--	6	67	0	16	28	19	0					136	17
NONCELLULOSIC	310.1050 & .1070[g]	200	18	13	54	29	121	31	28					494	280
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	28	0	18	20	32	7	43	42					190	595
OTHER	310.4015 & .4027[i]	1570	1253	1374	1784	2288	1940	1674	2419					14302	13082
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	205	89	190	229	367	393	246	306					2025	2896
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140	166	203	188	226	192	234	113	172					1494	1843
SLIVER, TOPS & ROVING	309.9000	434	309	201	115	79	133	338	186					1795	2828
TEXTILE GLASS FIBER	309.2800 & .2900[j]	1737	1092	1011	736	1033	1358	1281	1236					9484	10332
GRAND TOTAL ABOVE		**15998**	**10808**	**14458**	**13121**	**15446**	**14855**	**14238**	**19247**					**118171**	**140520**

SOURCE: U.S.Census Bureau.

NES - Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Chiefly roving. Also includes 309.9800 & .9900.

SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1982 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE[a] 1982	1981
TOTAL SHIPMENTS[b]														
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
ACETATE	**19.1**	**16.9**	**17.7**	**19.4**	**16.5**	**17.4**	**12.2**	**17.3**	**18.5**				**155.0**	**208.0**
NYLON[e] - INDUSTRIAL[f]	26.2	29.2	31.5	30.8	26.7	28.3	23.5	21.9	24.4				242.5	309.0
- LOW DENIER INDUSTRIAL[g]	2.6	2.3	2.6	2.5	2.2	2.7	1.9	2.5	2.6				21.9	27.1
- CARPET	40.3	43.3	46.0	46.1	51.2	48.3	42.6	60.2	58.4				436.4	554.0
- TEXTILE	27.9	27.0	29.5	28.4	26.6	26.5	21.4	29.3	30.1				246.7	321.7
POLYESTER - INDUSTRIAL[f]	22.6	24.4	27.8	26.3	22.9	27.4	21.8	23.8	22.1				219.1	232.2
- LOW DENIER INDUSTRIAL[g]	1.9	1.8	1.9	1.9	1.9	2.1	1.5	2.1	1.6				16.7	21.5
- TEXTILE	75.4	87.8	88.5	88.2	79.3	78.3	61.2	73.6	78.5				710.8	954.0
OLEFIN[h]	50.1	50.4	51.0	49.3	48.9	50.1	49.5	50.2	47.0				446.5	493.1
TOTAL NONCELLULOSIC ABOVE[i]	**247.0**	**266.2**	**278.8**	**273.5**	**259.7**	**263.7**	**223.4**	**263.6**	**264.7**				**2340.6**	**2913.5**
STAPLE+TOW+FIBERFILL[j]														
RAYON	**30.3**	**28.9**	**31.8**	**29.0**	**27.7**	**29.9**	**25.2**	**28.9**	**33.3**				**265.0**	**348.8**
NYLON[e]	48.0	48.3	49.7	55.9	61.0	58.1	51.4	68.3	69.2				509.9	596.0
ACRYLIC+MODACRYLIC	45.8	47.7	61.0	52.7	57.5	59.2	47.6	58.5	50.2				480.2	538.6
POLYESTER	173.3	176.4	174.0	161.7	156.6	155.3	129.3	163.0	162.4				1452.0	1965.4
OLEFIN+VINYON	8.3	10.2	11.4	10.8	14.9	14.8	11.6	12.5	13.0				107.5	100.7
TOTAL NONCELLULOSIC ABOVE	**275.4**	**282.6**	**296.1**	**281.1**	**290.0**	**287.4**	**239.9**	**302.3**	**294.8**				**2549.6**	**3200.7**
END-OF-MONTH STOCK														
YARN+MONOFILAMENTS														
ACETATE	**12.4**	**11.7**	**13.5**	**11.0**	**11.9**	**13.2**	**12.3**	**11.7**	**11.3**				**11.3**	**12.6**
NYLON[e] - INDUSTRIAL[f]	41.7	37.6	33.1	30.4	31.7	33.3	36.5	37.5	37.0				37.0	37.2
- LOW DENIER INDUSTRIAL[g]	4.5	4.5	4.1	4.6	4.6	4.5	4.6	4.2	4.0				4.0	5.6
- CARPET	62.3	58.0	55.5	53.9	49.5	51.4	59.6	48.2	46.4				46.4	72.4
- TEXTILE	50.9	52.9	51.1	48.6	45.9	43.3	43.4	40.5	38.5				38.5	45.7
POLYESTER - INDUSTRIAL[f]	23.7	25.1	25.2	24.6	27.1	27.8	28.1	28.6	28.1				28.1	22.0
- LOW DENIER INDUSTRIAL[g]	4.0	3.4	3.8	3.7	3.6	2.7	2.5	2.6	2.6				2.6	2.7
- TEXTILE	93.4	89.9	93.4	91.9	87.1	81.7	83.8	79.5	75.8				75.8	84.6
OLEFIN[h]	64.3	64.0	64.5	63.6	63.3	63.1	61.5	60.2	60.0				60.0	66.2
TOTAL NONCELLULOSIC ABOVE[i]	**344.8**	**335.4**	**330.7**	**321.3**	**312.8**	**307.8**	**320.0**	**301.3**	**292.4**				**292.4**	**334.4**
STAPLE+TOW+FIBERFILL														
RAYON	**32.6**	**35.6**	**36.3**	**35.1**	**36.2**	**36.4**	**37.8**	**38.9**	**36.8**				**36.8**	**27.3**
NYLON[e]	63.9	58.7	59.3	53.4	48.9	53.6	64.1	55.1	55.8				55.8	72.4
ACRYLIC+MODACRYLIC	68.6	65.2	60.2	67.7	63.7	61.9	66.0	61.3	64.1				64.1	64.6
POLYESTER	180.4	191.9	189.2	186.6	185.8	175.2	181.7	162.4	167.9				167.9	179.6
OLEFIN+VINYON	30.0	31.3	31.6	29.3	24.7	21.9	21.6	21.7	21.5				21.5	20.0
TOTAL NONCELLULOSIC ABOVE	**342.9**	**347.1**	**340.3**	**337.0**	**323.1**	**312.6**	**333.4**	**300.5**	**309.3**				**309.3**	**336.6**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	11.9	10.9	13.3	10.8	10.3	9.4	7.1						73.7	84.7
CARPET CLASS WOOL	0.7	0.9	1.0	0.8	1.0	0.6	0.6						5.6	5.6
TOTAL RAW WOOL	12.6	11.8	14.3	11.6	11.3	10.0	7.7						79.3	90.3
RAW COTTON	207.2	198.6	228.7	217.5	217.2	200.1	166.8	194.0					1629.9	1842.0

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 21 of the February issue.

e. Data for nylon include aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 21 of the February issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 21 of the February issue.